

FORM 1449* INFORMATION DISCLOSURE STATEMENT IN AN APPLICATION (Use several sheets if necessary)	Docket Number: 8076.147USD1	Application Number: Filed Herewith
	Applicant: Bertrand MEROT, et al.	
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U.S. PATENT DOCUMENTS							
EXAMINER INITIAL	DOCUMENT NO.	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE	
zm	5,202,422	April 13, 1993	Hiatt et al.				

FOREIGN PATENT DOCUMENTS							
	DOCUMENT NO.	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
						YES	NO
zm	WO 93/08831	May 13, 1993	PCT				
↓	WO 93/25697	December 23, 1993	PCT				
	EP 273889	July 6, 1988	EPO				
	WO 91/06320	May 16, 1991	PCT				
	WO 93/03161	February 18, 1998	PCT				

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)		
zm	1995	W. DIERYCK, V. GRUBER, S. BAUDINO, P. LENE, J. PAGNIER, B. MEROT, C. POYART; "Recombinant Protein Expression in Plants"; <i>Transfusion Clinique et Biologique</i> ; 1995; V. 2 No. 6: pp. 441-447.
↓	December 1993	MASARU OHME-TAKAGI, CRISPIN B. TAYLOR, THOMAS C. NEWMAN, AND PAMELA J. GREEN; "The effect of sequences with high AU content on mRNA stability in tobacco"; <i>Proc. Natl. Acad. Sci. USA</i> ; December 1993; Vol. 90, pp. 11811-11815.
	January 1991	MICHAEL WAGENBACH, KATHERINE O'ROURKE, LAURA VITEZ, ANNA WIECZOREK, STEPHEN HOFFMAN, STEVEN DURFEE, JOHN TEDESCO AND GARY STETLER; "Synthesis of Wild Type and Mutant Human Hemoglobins in <i>Saccharomyces Cerevisiae</i> "; <i>Bio/Technology</i> ; January 1991; Vol 9, pp. 57-61.
	August 15, 1991	KAZUKI SAITO, MASAOKI NOJI, SHIGERU OHMORI, YOSHIO IMAI, AND ISAMU MURAKOSHI; "Integration and expression of a rabbit liver cytochrome P-450 gene in transgenic <i>Nicotiana tabacum</i> "; <i>Proceedings of the National Academy of Sciences of the USA</i> ; No. 16, pp. 7041-7045.
	1994	R.E. BENESCH AND S. KWONG; Quantitative Transformation of Hemoglobin into Stable Tetramers; 1994; pp. 185-192.
	1979	H.C. BIRNBOIM AND J. DOLY; "A rapid alkaline extraction procedure for screening recombinant plasmid DNA"; <i>Nucleic Acids Research</i> ; 1979; Vol. 7, No.6, 1513-1523.
	1985	MARC BOUTRY AND NAM-HAI CHUA; "A nuclear gene encoding the beta subunit of the mitochondrial ATP synthase in <i>Nicotiana plumbaginifolia</i> "; <i>EMBO Journal</i> ; 1985; Vol. 4 No.9 pp.2159-2165.
	January 29, 1976	MARION M. BRADFORD; "A Rapid and Sensitive Method for the Quantitation of Microgram Quantities of Protein Utilizing the Principle of Protein-Dye Binding"; <i>Analytical Biochemistry</i> ; January 29, 1976; pp. 248-254.
	1993	HELAINE CARRER, TICH NOEL HOCKENBERRY, ZORA SVAB, PAL MALIGA; "Kanamycin resistance as a selectable marker for plastid transformation in tobacco"; <i>Mol Gen Genet</i> ; April 6, 1993; 241: 50-56.
	1994	FRANCOIS CHAUMONT, MARCIO DE CASTRO SILVA FILHO, DIDIER THOMAS, SERGE LETERME AND MARC BOUTRY; "Truncated presequences of mitochondrial F ₁ -ATPase β subunit from <i>Nicotiana plumbaginifolia</i> transport CAT and GUS proteins into mitochondria of transgenic tobacco"; <i>Plant Molecular Biology</i> ; December 15, 1993; 24: pp. 631-641.
	↓	1968

EXAMINER <i>L. Mayes</i>	DATE CONSIDERED <i>4-30-03</i>
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LM	1988	FRANCOIS GUERINEAU, SALLY WOOLSTON, LOUISE BROOKS AND PHILIP MULLINEAU; "An expression cassette for targeting foreign proteins into chloroplasts"; <i>Nucleic Acids Research</i> ; September 23, 1988; Vol. 16, No. 23 p. 11380.
	1956	Q.H. GIBSON; "The Direct Determination of the Velocity Constant of the Reaction $Hb_4(CO)_3 + CO \rightarrow Hb_4(CO)_4$ "; <i>Haemoglobin Kinetics</i> ; May 2, 1956; 134, pp.123-134.
	1992	ORIT EDELBAU, DANA STEIN, NETA HOLLAND, YEDIDIAH GAFNI, ORNA LIVNEH, DANIELA NOVICK, MENACHEM RUBINSTEIN AND ILAN SELA; "Expression of Active Human Interferon- β in Transgenic Plants"; <i>Journal of Interferon Research</i> ; August 19, 1992; 12, pp. 449-453.
	1985	HANAHAN, D., "Techniques for Transformation of <i>E. coli</i> ", <i>DNA Cloning Volume 1: A Practical Approach</i> , Chapter 6, pp.109-135 (1985)
	1982	DOUGLAS HANAHAN; "Studies on Transformation of <i>Escherichia coli</i> with Plasmids"; <i>J. Mol. Biol.</i> ; October 11, 1982; 166, pp. 557-580.
		DOUGLAS HANAHAN; "Techniques for Transformation of <i>E. coli</i> "; <i>DNA cloning Volume 1, a practical approach</i> ; Ch. 6, pp. 109-135.
	July 1992	ANDREW HIATT AND JULIAN K-C. MA; "Monoclonal antibody engineering in plants"; <i>FEBS Letters</i> ; May 11, 1992; Vol. 307, No. 1, pp. 71-75.
	November 1990	STEPHEN J. HOFFMAN, DOUGLAS L. LOOKER, JEANNE M. ROEHRICH, PAUL E. COZART, STEVEN L. DURFEE, JOHN L. TEDESIO, AND GARY L. STETLER; "Expression of fully functional tetrameric human hemoglobin in <i>Escherichia coli</i> "; <i>Proc. Natl. Acad. Sci. USA</i> ; November 1990; Vol. 87, pp. 8521-8525.
	March 8, 1985	R. B. HORSCH, J.E. FRY, N.L. HOFFMANN, D. EICHHOLTZ, S.G. ROGERS, R.T. FRALEY; "A Simple and General Method for Transferring Genes into Plants"; <i>Science</i> ; March 8, 1985; Vol. 227, pp. 1229-1231.
	1995	International Hemoglobin Information Center Variant List; <i>Hemoglobin</i> ; pp. 37, 39-59, 124-125.
	1994	TIMM-H. JESSEN, NOBORU H. KOMIYAMA, JEREMY TAME, JOSEE PAGNIER, DANIEL SHIH, BEN LUISI, GIULIO FERMI, AND KIYOSHI NAGAI; "Production of Human Hemoglobin in <i>Escherichia coli</i> Using Cleavable Fusion Protein Expression Vector"; <i>Methods in Enzymology</i> ; 1994; Vol. 231, pp. 347-365.
	1987	C.P. JOSHI; "An inspection of the domain between putative TATA box and translation start site in 79 plant genes"; <i>Nucleic Acids Research</i> ; July 14, 1987; Vol. 15, No. 16, pp. 6643-6653.
	1987	JEAN KISTER, CLAUDE POYART AND STUART J. EDELSTEIN; "An Expanded Two-state Allosteric Model for Interactions of Human Hemoglobin A with Nonsaturating Concentrations of 2,3-Diphosphoglycerate"; <i>Journal of Biological Chemistry</i> ; December 3, 1986; Vol. 262, No. 25, pp. 12085-12091.
	1988	ENNO KREBBERS, LLYDIA HERDIES, ANN DE CLERCQ, JEF SEURINCK, JAN LEEMANS, JOZEF VAN DAMME, MAGDALENA SEGURA, GODELIEVE GHEYSEN, MARC VAN MONTAGU AND JOEL VANDEKERCKHOVE; "Determination of the Processing Sites of an Arabidopsis 2S Albumin and Characterization of the Complete Gene Family"; <i>Plant Physiology</i> ; April 5, 1988; pp. 859-866.
	1994	MICHAEL C. MARDEN, JEAN KISTER AND CLAUDE POYART; "Allosteric Equilibrium Measurements with Hemoglobin Valency Hybrids"; <i>Methods in Enzymology</i> ; 1994; Vol. 232, pp. 71-86.
	December 1992	HUGH S. MASON, DOMINIC MAN-KIT LAM AND CHARLES J. ARNTZEN; "Expression of hepatitis B surface antigen in transgenic plants"; <i>Proc. Natl. Acad. Sci. USA</i> ; December 1992; Vol. 89, pp. 11745-11749.
	July 1994	MAURICE M. MOLONEY, DANA PARMENTER, GIJS VAN ROOIJEN AND LARRY A. HOLBROOK; "Oleosins as Carriers for High-value Peptides in Plant Seeds"; <i>Production of Recombinant Proteins in Plants</i> ; July 1994; pp. 36-38.
	1962	TOSHIO MURASHIGE AND FOLKE SKOOG; A Revised Medium for Rapid Growth and Bio Assays with Tobacco Tissue Cultures; <i>Physiologia Plantarum</i> ; 1962; Vol. 15, pp. 473-497.
	1987	BIYOSHI NAGAI AND HANS CHRISTIAN THOGERSEN; "Synthesis and Sequence-Specific Proteolysis of Hybrid Proteins Produced in <i>Escherichia coli</i> "; <i>Vectors for Expression of Cloned Genes</i> ; 1987; pp. 461-481.
	November 1985	KIYOSHI NAGAI, MAX F. PERUTZ, AND CLAUDE POYART; Oxygen binding properties of human mutant hemoglobins synthesized in <i>Escherichia coli</i> "; <i>Proc. Natl. Acad. Sci. USA</i> ; November 1985; Vol. 82, pp. 7252-7255.
	November 21, 1970	M.F. PERUTZ; "Stereochemistry of Cooperative Effects in Haemoglobin"; <i>Nature</i> ; November 21, 1970; Vol. 228, pp. 726-739.
	July 1994	DAVID RUSSELL; "Production of Industrial and Biopharmaceutical Proteins in Transgenic Plants"; <i>Production of Recombinant Proteins in Plants</i> ; July 24-27, 1994; p.43.
	1989	J. SAMBROOK, E.F. FRITSCH AND T. MANIATIS; Molecular Cloning: A Laboratory Manual.; Second Edition.; Cold Spring Harbor Laboratory Press, Cold Spring Harbor, NY; 1989.

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LM	December 1977	F. SANGER, S. NICKLEN, AND A.R. COULSON; "DNA sequencing with chain-terminating inhibitors"; <i>Proc. Natl. Acad. Sci. USA</i> ; December 1977; Vol. 74, No. 12, pp. 5463-5467.
	September 26, 1990	D. STEPHEN, C. JONES AND J. PAUL SCHOFIELD; A rapid method for isolating high quality plasmid DNA suitable for DNA sequencing"; <i>Nucleic Acids Research</i> ; September 26, 1990; Vol. 18, No. 24, pp. 7463-7464.
	November 1990	ZORA SVAB, PETER HAJDUKIEWICZ, AND PAL MALIGA; "Stable transformation of plasmids in higher plants"; <i>Proc. Natl. Acad. Sci. USA</i> ; November 1990; Vol. 87, pp. 8526-8530.
	May 1992	MARK E. SWANSON, MICHAEL J. MARTIN, J. KEVIN O'DONNELL, KATHY HOOVER, WILLIAM LAGO, VICTORIA HUNTRESS, CYNTHIA T. PARSONS, CARL A. PINKERT, STEPHEN PILDER AND JOHN S. LOGAN; "Production of Functional Human Hemoglobin in Transgenic Swine"; <i>BioTechnology</i> ; May 1992; Vol. 10, pp. 557-559.
	March 1990	PETER C. SYMONS, BEN M. M. DEKKER, BARBARA SCHRAMMEIJER, THEO C. VERWOERD, PETER J. M. VAN DEN ELZEN AND ANDRE HOEKEMA; "Production of Correctly Processed Human Serum Albumin in Transgenic Plants"; <i>BioTechnology</i> ; March 1990; Vol. 8, pp. 217-221.
	September 1989	JOEL VANDERKERCKHOVE, JOZEF VAN DAMME, MIEKE VAN LIJSEBETTENS, JOHAN BOTTERMAN, MARC DE BLOCK, MARTINE VANDEWIELE, ANN DE CLERCQ, JAN LEEMANS, MARC VAN MONTAGU AND ENNO KREBBERS; "Enkephalins Produced in Transgenic Plants using Modified 2S Seed Storage Proteins"; September 1989; Vol. 7, pp. 929-932.
	January 1991	MICHAEL WAGENBACH, KATHERINE O'ROURKE, LAURA VITEZ, ANNA WIECZOREK, STEPHEN HOFFMAN, STEVEN DURFEE, JOHN TEDESCO AND GARY STETLER; "Synthesis of Wild Type and Mutant Human Hemoglobins in <i>Saccharomyces Cerevisiae</i> "; <i>BioTechnology</i> ; January 1991; Vol. 9, pp. 57-61.
	February 1978	J.T. WILSON, L. B. WILSON, J. K. DERIEL, L. VILLA-KOMAROFF, A. EFSTRATIADIS, B.G. FORGET AND S.M. WEISSMAN; "Insertion of Synthetic copies of human globin genes into bacterial plasmids"; <i>Nucleic Acids Research</i> ; February 1978; Vol. 5, No. 2, pp. 563-581.
	June 5, 1987	ROBERT KAY, AMY CHAN, MARK DALY AND JOAN MCPHERSON; "Duplication of CaMV 35S Promoter Sequences Creates a Strong Enhancer for Plant Genes"; <i>Science</i> ; June 5, 1987; Vol. 236, pp. 1299-1302.
	1980	A. FRANCK, H. GUILLEY, G. JONARD, K. RICHARDS AND L. HIRTH; "Nucleotide Sequence of Cauliflower Mosaic Virus DNA"; <i>Cell</i> ; August 1980; Vol. 21, pp. 285-294.
	1982	A. DEPICKER, S. STACHEL, P. DHAESE, P. ZAMBRYSKI AND H. M. GOODMAN; "Nopaline Synthase: Transcript Mapping and DNA Sequence"; <i>Journal of Molecular and Applied Genetics</i> ; 1982; Vol. 1, No. 6, pp. 561-573.
	1991	DAVID MCELROY, ALAN D. BLOWERS, BARNABAS JENES AND RAY WU; "Construction of expression vectors based on the rice actin 1 (Act1) 5' region for use in monocot transformation"; <i>Mol Gen Genet</i> ; 1991; Vol. 231, pp. 150-160.
	1990	M. REINA, I. PONTE, P. GUILLEN, A. BORONAT AND J. PALAU; "Sequence analysis of a genomic clone encoding a Zc2 protein from <i>Zea mays</i> W64 A"; <i>Nucleic Acids Research</i> ; September 28, 1990; Vol. 18, No. 21, p. 6426.
	1996	A. DUMOULIN, L. KIGER, N. GRIFFON, C. VASSEUR, J. KISTER, P. GENIN, M.C. MARDEN, J. PAGNIER AND C. POYART; "Two mutations in recombinant Hb β F41(C7)Y, K82 (EF6)D show additive effects in decreasing oxygen affinity"; <i>Protein Science</i> ; October 31, 1995; Vol. 5, pp. 114-120.
	1985	D.F. FENG, M.S. JOHNSON AND R.F. DOOLITTLE; "Aligning Amino Acid Sequences: Comparison of Commonly Used Methods"; <i>Journal of Molecular Evolution</i> ; 1985; Vol. 21, pp. 112-125.
	1994	A. DUMOULIN, V. BAUDIN, L. KIGER, S.J. EDELSTEIN, M. MARDEN, C. POYART, AND J. PAGNIER; "Chimeric Hemoglobin Subunits: Functional Properties of a Recombinant β/α Hemoglobin"; <i>Art, Cells, Blood Subs., and Immob. Biotech.</i> ; 1994; Vol. 22(3), pp. 733-738.
	March 19, 1992	DOULAS LOOKER, DEBBIE ABBOTT-BROWN, PAUL COZART, STEVEN DURFEE, STEPHEN HOFFMAN, ANTONY J. MATHEWS, JEANNE MILLER-ROEHRICH, STEVEN SHOEMAKER, STEPHEN TRIMBLE, GIULIO FERMI, NOBORU H. KOMIYAMA, KIYOSHI NAGIA AND GARY L. STETLER; "A human recombinant haemoglobin designed for use as a blood substitute"; <i>Nature</i> ; March 19, 1992; Vol. 356, pp. 258-260.
	August 15, 1970	U.K. LAEMMLI; "Cleavage of Structural Proteins during the Assembly of the Head of Bacteriophage T4"; <i>Nature</i> ; August 15, 1970; Vol. 227, pp. 680-685.
	September 1979	HARRY TOWBIN, THEOPHIL STAEHELIN AND JULIAN GORDON; "Electrophoretic transfer of proteins from polyacrylamide gels to nitrocellulose sheets: Procedure and some applications"; <i>Proc. Natl. Acad. Sci. USA</i> ; September 1979; Vol. 76, No. 9, pp. 4350-4354.

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